Appendix 2: Supplemental information [posted as supplied by author]

SAS code for the Cox model

PROC PHREG DATA=dataset1;

CLASS sex chronic hospital8m parents parity postalcode;

 ${\sf MODEL\ (ageDTP, ageout)*status\ (0)=most recent vaccine\ sex\ chronic\ hospital 8m\ parents\ parity}$

birthweight maternalage gestationalage postalcode / RL;

IF (ageMMR=. OR ageout<ageMMR) then mostrecentvaccine=0.;

ELSE mostrecentvaccine=1.0;

STRATA dob;

RUN;

List of variables

Age Of receiving DTaP-IPV-Hib-4+PCV (days)

AgeMMR Age of receiving MMR+MenC (days)

Age at the end of follow-up (days)

Birthweight Birth weight (grams)

Chronic Chronic diseases (Y/N)

Dob Date of birth

Gestational age (days)

Hospital8m Hospitalization for any reason at age 8 months (Y/N)

Mostrecentvaccine Last-received vaccination (time-varying variable, changing at the age of

receiving the MMR+MenC vaccine)

Parents Parental country of birth (categorical)

Parity Maternal parity (categorical)

Postalcode Postal code (3 digits)

Sex Sex (M/F)